# EAST Search History

## EAST Search History (Prior Art)

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|--------------|-----|------------------|---------|------------|
| L2 | 104 | ((MICRO$1ARRAY) near PROBE) and MICRO$1FLUID$3 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | WITH | OFF | 2010/03/23 08:35 |
| L3 | 3 | L2 and "422".CLAS. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | WITH | OFF | 2010/03/23 08:35 |
| L4 | 1607 | (REMOV$4 MICRO$1FLUID$2) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | WITH | OFF | 2010/03/23 08:38 |
| L5 | 798 | L4 and (@AY<="2004") | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | WITH | OFF | 2010/03/23 08:38 |
| L6 | 3 | L2 and L5 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | WITH | OFF | 2010/03/23 08:38 |
| L7 | 990 | L4 and (@AY<="2005") | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | WITH | OFF | 2010/03/23 08:39 |
| L8 | 65 | L2 and (@AY<="2005") | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | WITH | OFF | 2010/03/23 08:39 |

| L9 | 52 | L2 and (@AY<="2004") | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | WITH | OFF | 2010/03/23 08:40 |
| L10 | 41 | L9 and ("435".CLAS. or "436".CLAS. or "422". clas.) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | WITH | OFF | 2010/03/23 08:40 |
| L11 | 2 | "20030087292".pn. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | WITH | OFF | 2010/03/23 08:59 |
| L12 | 1 | L11 and PROBE and MICRO$1ARRAY and CHANNEL | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | WITH | OFF | 2010/03/23 09:00 |
| S1 | 2 | "10593990" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | WITH | OFF | 2010/01/28 09:41 |
| S2 | 4 | "2001035088" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | WITH | OFF | 2010/02/03 08:28 |
| S3 | 0 | "68787255" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | WITH | OFF | 2010/02/03 08:29 |
| S4 | 19 | "6878255" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | WITH | OFF | 2010/02/03 08:29 |

| S5 | 17 | S4 and REMOV$4 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | WITH | OFF | 2010/02/03 08:48 |
|---|---|---|---|---|---|---|
| S6 | 15 | S4 and (REMOV$4 and CHAMBER) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | WITH | OFF | 2010/02/03 08:49 |
| S7 | 1599 | (REMOV$4 MICRO$1FLUID $2) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | WITH | OFF | 2010/03/18 11:01 |
| S8 | 1599 | S7 and (AY<="2004") | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | WITH | OFF | 2010/03/18 11:02 |
| S9 | 794 | S7 and (@AY<="2004") | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | WITH | OFF | 2010/03/18 11:02 |
| S10 | 10 | ("20020142470" \| "6099803" \| "6245508" \| "6258606" \| "6878255").PN. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | WITH | OFF | 2010/03/18 11:13 |
| S11 | 4 | "2001035088" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | WITH | OFF | 2010/03/18 11:24 |
| S12 | 21 | "6878255" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | WITH | OFF | 2010/03/18 11:24 |
| S13 | 1 | ("6878255").PN. | US-PGPUB; USPAT | OR | OFF | 2010/03/18 11:25 |

| S14 | 1 | (S10 or S13) and S7 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | WITH | OFF | 2010/03/18 11:25 |
|-----|-----|---------------------|----------------------------------------------------------|------|-----|-------------------|
| S15 | 169 | (REMOV$4 adj MICRO $1FLUID$2) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | WITH | OFF | 2010/03/18 11:26 |
| S16 | 90 | S15 and (@AY< = "2004") | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | WITH | OFF | 2010/03/18 11:26 |
| S17 | 27 | S16 and "422".CLAS. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | WITH | OFF | 2010/03/18 11:28 |
| S18 | 16 | (REMOV$4 near (CELL or MEMBER)) MICRO$1FLUID $2 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | WITH | OFF | 2010/03/18 11:31 |
| S19 | 0 | ("2009/0023610").URPN. | USPAT | WITH | OFF | 2010/03/18 11:32 |
| S20 | 650 | 422/72.CCLS. | USPAT | WITH | OFF | 2010/03/18 11:39 |
| S21 | 501 | S20 and REMOV$4 | USPAT | WITH | OFF | 2010/03/18 11:39 |
| S22 | 482 | S21 and (@AY< = "2004") | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | WITH | OFF | 2010/03/18 11:40 |
| S23 | 93427 | (REMOV$4 near (CELL or MEMBER)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | WITH | OFF | 2010/03/18 11:42 |

| S24 | 21 | S21 and S23 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | WITH | OFF | 2010/03/18 11:42 |
| S25 | 23 | ("4632908").PN. OR ("4788154").URPN. | US-PGPUB; USPAT; USOCR | WITH | OFF | 2010/03/18 11:48 |
| S26 | 93427 | (REMOV$4 near (CELL or MEMBER)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | WITH | OFF | 2010/03/18 15:28 |
| S27 | 557 | S26 and MICRO$1FLUID $2 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | WITH | OFF | 2010/03/18 15:28 |
| S28 | 240 | S27 and DISPENS$3 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | WITH | OFF | 2010/03/18 15:33 |
| S29 | 222 | S28 and REACTION | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | WITH | OFF | 2010/03/18 15:33 |
| S30 | 179 | S29 and VALVE$1 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | WITH | OFF | 2010/03/18 15:34 |
| S31 | 160 | S30 and REAGENT | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | WITH | OFF | 2010/03/18 15:34 |
| S32 | 159 | S31 and CHANNEL | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | WITH | OFF | 2010/03/18 15:34 |

| S33 | 94 | S32 and (@AY< ="2004") | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | WITH | OFF | 2010/03/18 15:35 |
| S34 | 621 | ((REMOV$4 or DETACH $4) near (CELL or MEMBER)) and MICRO $1FLUID$2 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | WITH | OFF | 2010/03/18 15:42 |
| S35 | 332 | S34 and (@AY< ="2004") | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | WITH | OFF | 2010/03/18 15:43 |
| S36 | 148 | S35 and (VALVE$1 and REAGENT and CHANNEL) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | WITH | OFF | 2010/03/18 15:43 |
| S37 | 873 | 422/72.ccls. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | WITH | OFF | 2010/03/19 12:14 |
| S38 | 15 | S37 and (KELLOGG).in. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | WITH | OFF | 2010/03/19 12:15 |
| S39 | 3660 | 422/68.1.ccls. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | WITH | OFF | 2010/03/19 13:10 |
| S40 | 28 | S39 and (PARCE).in. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | WITH | OFF | 2010/03/19 13:10 |

| S41 | 4451 | (MICRO$1FLUID$2 (DEVICE or CELL or CHIP)) and VALVE$1 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | WITH | OFF | 2010/03/19 13:25 |
|-----|------|------|------|------|------|------|
| S42 | 2214 | S41 and (CHANNEL and CHAMBER and REACTION) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | WITH | OFF | 2010/03/19 13:26 |
| S43 | 187 | S42 and S39 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | WITH | OFF | 2010/03/19 13:26 |
| S44 | 115 | S43 and (@AY<="2004") | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | WITH | OFF | 2010/03/19 13:27 |
| S45 | 1672 | (((MICRO$1FLUID$2) near (CHIP or DEVICE or SYSTEM or DISC or DISK)) and (CENTRIFUG$3) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | WITH | OFF | 2010/03/22 08:26 |
| S46 | 935 | S45 and (CHANNEL or (FLOW PATH)) and CHAMBER | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | WITH | OFF | 2010/03/22 08:27 |
| S47 | 628 | S46 and VALV$3 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | WITH | OFF | 2010/03/22 08:28 |
| S48 | 4316 | "L4" and (VENT or AIR HOLE) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | WITH | OFF | 2010/03/22 08:28 |

| S49 | 189 | S47 and (VENT or AIR HOLE) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | WITH | OFF | 2010/03/22 08:28 |
| S50 | 76 | S49 and "422".CLAS. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | WITH | OFF | 2010/03/22 08:28 |
| S51 | 41 | S50 and (@AY<="2004") | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | WITH | OFF | 2010/03/22 08:28 |
| S52 | 23 | ("4632908").PN. OR ("4788154").URPN. | US-PGPUB; USPAT; USOCR | WITH | OFF | 2010/03/22 08:45 |
| S53 | 6066 | ((MICRO$1FLUID$2) near (CHIP or DEVICE or SYSTEM or DISC or DISK)) and (REMOV$4) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | WITH | OFF | 2010/03/22 10:13 |
| S54 | 808 | ((MICRO$1FLUID$2) near (CHIP or DEVICE or SYSTEM or DISC or DISK)) and ((REMOV$4) near (SUBSTRATE or LAYER or MEMBER)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | WITH | OFF | 2010/03/22 10:14 |
| S55 | 151 | S54 and "422".CLAS. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | WITH | OFF | 2010/03/22 10:14 |
| S56 | 98 | S55 and (@AY<="2004") | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | WITH | OFF | 2010/03/22 10:14 |
| S57 | 24 | S56 and 422/68.1,72.CCLS. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | WITH | OFF | 2010/03/22 10:15 |

| S58 | 454 | S54 and (@AY<="2004") | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | WITH | OFF | 2010/03/22 10:20 |
|-----|-----|------------------------|----------------------------------------------------------|------|-----|-------------------|
| S59 | 228 | S58 and (VALVE$1) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | WITH | OFF | 2010/03/22 10:20 |
| S60 | 154 | S59 and (CHANNEL or (FLOW PATH)) and CHAMBER | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | WITH | OFF | 2010/03/22 10:22 |
| S61 | 46 | S60 and "422".CLAS. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | WITH | OFF | 2010/03/22 10:24 |
| S62 | 16 | S61 and ((AIR HOLE) or VENT) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | WITH | OFF | 2010/03/22 10:27 |
| S63 | 4 | S62 and REMOVABLE | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | WITH | OFF | 2010/03/22 10:27 |
| S64 | 45 | ((MICRO$1FLUID$2) near (CHIP or DEVICE or SYSTEM or DISC or DISK)) and ((REMOVABLE) near (SUBSTRATE or LAYER or MEMBER)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | WITH | OFF | 2010/03/22 10:49 |
| S65 | 6 | S64 and (VENT or (AIR HOLE)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | WITH | OFF | 2010/03/22 10:51 |

| S66 | 6 | S65 and VALV$2 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | WITH | OFF | 2010/03/22 10:52 |
| S67 | 28 | S64 and (@AY<="2004") | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | WITH | OFF | 2010/03/22 10:53 |
| S68 | 28 | S67 and REMOV$4 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | WITH | OFF | 2010/03/22 11:21 |
| S69 | 20 | S68 and (CHANNEL and CHAMBER) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | WITH | OFF | 2010/03/22 11:21 |
| S70 | 14 | ("2002/0068357").URPN. | USPAT | WITH | OFF | 2010/03/22 11:27 |
| S71 | 2 | "5869004".pn. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | WITH | OFF | 2010/03/22 14:54 |
| S72 | 2 | "20050056949" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | WITH | OFF | 2010/03/22 14:55 |
| S73 | 2 | "20050056949".pn. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | WITH | OFF | 2010/03/22 14:56 |
| S74 | 2 | "20080058991" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | WITH | OFF | 2010/03/22 14:56 |

| S75 | 0 | "871338".app. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | WITH | OFF | 2010/03/22 14:58 |

**3/23/2010 10:14:47 AM**
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